

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: Michael.J.Knudsen@att.com
Subject: Re: 6C4 and Others?
Message-ID: <9601261856.AA04776@bock.ih.att.com>

I've played with lots of 6A7 and 6A8, and they seem OK, despite cramming 5 grids in there.
However, the 6K7 pentode is another matter -- I've had two metal versions that heated up and conducted plate current OK, but had absolute ZERO gain.

Funny someone mentioned the 6C4 -- this simple little triode got a lot of bad press here a few months ago. Versatile tube tho -- can do low-UHF oscillators, but also TV vertical outputs.

As for 6AL5 and 6H6 -- I've even subbed a 12H6 for a 6 in desperation, and the radio played just as well! Also got away with that on a 12K7 -- just topok twice as long to warm up. 73, mike k w9nrd

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: pmills@cyberhouse.com (Phil Mills)
Subject: 75A4 revisited
Message-ID: <199601271710.LAA21391@ns.cyberhouse.com>

Thanks to all who submitted suggestions toward resolving the sensitivity problem on a 75A4 that I've been restoring. One of the suggestions was to replace the mica coupling capacitors throughout the i.f. chain which I did without much improvement. Then, I thought why not just do the mica coupling capacitors back through the rf and mixer chain.....turns out the 100 mmf coupling capacitor from the rf coils to the grid of the rf was the bad one.

thanks,
Phil

Phil Mills, AB5TH
pmills@cyberhouse.com
713-482-2763

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: john <johnmb@nando.net>
Subject: >> New Pics in the WWW page...
Message-ID: <9601271809.AA15195@merlin.nando.net>

If you have some spare time, consider stopping by the web page at

<http://www.zynet.com/~johnb>

...and check out some of Nick Englands' (KD4CPL) gear. Thanks to Nick, for sending it in. For those of you interested in BA_Bob's Hartley projects, I hope to get those scans loaded in tomorrow.

Thanks for the bandwidth, and have fun....
/john

John Brewer johnmb@nando.net
WB50AU/4 AMI #24
Vintage Gear web page: <http://www.zynet.com/~johnb>

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: Stanley Siegel <SIEGELS@turing.law.nyu.edu>
Subject: A 30L-1 story
Message-ID: <s108c41d.002@turing.law.nyu.edu>

Just thought I would share with the group the story of restoring my 30L-1, which I purchased in fairly good condition. Problem: low output (about 300 watts). I couldn't get the plate current, even out of dip, to rise up beyond about 325 mils.

What's the natural guess? Bad tubes, of course. So I ordered 4 new JAN 811A's from a well-known source and installed them. Problem not solved.

That called for major surgery. I followed the Dennis Brothers video to the letter: installed an MOV, increased the capacity of the bias filter capacitor, checked all the fuse resistors, etc. Still no luck. Next step: replaced the old top-hat diodes in the power supply. I saw a few leaky capacitors, so I replaced all the electrolytics as well. Terrific plate voltage, excellent supply regulation, bias voltage on the nose. Problem not solved.

I decided I had about had it. Sent the rig off to Dennis Brothers, who did his usual clean-up, etc. The problem? Bad output tubes: the tubes looked new, but they clearly were not. New tubes brought the output up to 650+ watts. My 30L-1 is now terrific.

Moral of the story: have a tube tester available, and check every tube you receive, even from a "reputable" supplier. And be skeptical of the testing: the tube should test well above the borderline acceptable range.

I was burned on this one. Not only did I expend a lot of effort (and money) that was unnecessary, but the supplier -- who for the moment will remain unnamed -- has refused to give me credit on the tubes because I held them more than 90 days. (And, as you all know, Dennis Brothers is in high demand: his turn-around is usually about 9 months, and worth it.)

Best of 73, and good restoring!

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: k1oik@ccsnet.com
Subject: A 30L-1 story
Message-ID: <TCPSMTP.16.1.27.-15.39.34.2644608140.3087264@ccsnet.com>

UU>Best of 73, and good restoring!

If the story is factual there is no libel.

```

      .-.
     / \
    /---Burt Fisher K10IK-----/\---\---/\---\---\---\k1oik@ccsnet.com\
   / \
  /   \
 /     \
/       \

```

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=====
http://www.ccsnet.com
telnet://ccsnet.com
Cape Cod's Internet Address
=====
```

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: Fire Bottle archive handler <firebot1@jackatak.theporch.com>
Subject: Administrivia: DO NOT PING THE LIST!!!
Message-ID: <9601271928.aa20083@jackatak.theporch.com>

Gang-

I guess it is time for a reminder:

Just in case you are wondering if the list is up or down, DO NOT submit a post asking the list if it is up... this is a rude action, and if every one of the 900 folks on the list did it, the list would go in the toilet and everyone would be really peeved that such messages were all that appear on the list...

To find out, do something USEFUL, for yourself and the list... send an email to:

listproc@theporch.com

and in the body, type:

index boatanchors

That will get you the list of files currently in the archive, available to retrieval, it will tell you the list server is up and running, and it will verify the email link... and it will NOT anger the other 900 who probably wondered the same, but didn't ask...

Another technique is to send email through theporch to your self... replace the "@" in your address with a "%" and then address the email:

mylogin%mysite.domain@jackatak.theporch.com

assuming you substitute your address for what I typed above, you will get an email returned to you that goes through theporch.com TWICE: once on the way in and once on the way out...

Thus, if you get a response back, the Net path is working, and the list is probably working fine... just quiet... it sleeps every once in a while, that's all...

WRITE ME IF WRITE YOU MUST -- JUST DO NOT PING THE LIST!!!

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)
- - - BoatAnchor Mailing List Archiver/Owner - - -
firebotl@jackatak.theporch.com ---- listown@jackatak.theporch.com

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: Fire Bottle archive handler <firebotl@jackatak.theporch.com>
Subject: Administrivia: the *BOGUS* virus alert !!
Message-ID: <9601262324.aa03023@jackatak.theporch.com>

Gang-

Two things here...

This "virus" is bogus and does not exist... the real virus part is the bandwidth and resources that are used in propagating it and trying to knock down the warning. It does NOT exist...

Second, the sender is barred from any further posts...

ANYONE who posts something about this (bogus) virus to the list as a whole, or who tries to use this list in a similar manner will be similarly placed in the "Penalty Box" for an indeterminate time...

DO NOT clutter the list with this garbage, and do NOT pass the warning to your friends... it is bogus, the "virus" does NOT exist, and after four years, I am getting more than tired of seeing it...

The good news? Once we go to a subscription, in March, we won't be bothered by things like this anymore...

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)
- - - BoatAnchor Mailing List Archiver/Owner - - -
firebotl@jackatak.theporch.com ---- listown@jackatak.theporch.com

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: DUBY TODD <dube2@mci.newscorp.com>
Subject: AGC "rails"
Message-ID: <199601270252.VAA11192@camus.delphi.com>

Terry wrote:

> I took a look at the AGC on the scope and could see low frequency
> audio on the AGC rail..... (rest deleted for brevity)

Pardon my impertinence, but boatanchors don't have rails (except for the ones used to slide 'em out of their cabinets). Boatanchors have busses (or is it buses?) :-)

Dube Todd

AB5AP

dube2@mci.newscorp.com

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: jproc@worldlinx.com
Subject: RE: AGC "rails"
Message-ID: <Chameleon.4.01.2.960127090209.jproc@jproc>

>Pardon my impertinence, but boatanchors don't have rails (except for the
>ones used to slide 'em out of their cabinets). Boatanchors have busses (or
>is it buses?) :-)

>

Dube,

A rail is the British expression for 'bus' much in the same way as the words gasoline and petrol are interchangeable. Since I've had exposure to a lot of British built gear, I use both terms interchangeably.

Regards,

~~~~~  
Jerry Proc VE3FAB  
E-mail: jproc@worldlinx.com  
Radio Restoration Volunteer  
HMCS Haida, Toronto Ontario  
~~~~~

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: don merz <71333.144@compuserve.com>
Subject: Amateur Gear in WWII
Message-ID: <960127144737_71333.144_DHB43-4@CompuServe.COM>

"Special British Lancaster and Liberator aircraft, dubbed 'ferrets,' carried skilled radio operator crewmen and special (sometimes unofficial) intercept receive

radio receivers. Many Lancaster ferrets were equipped with Hallicrafters S-27 receivers, swept up from all the amateur radio suppliers in New York, by an alert Royal Signals Establishment clerk during an official visit to the 'states and Canada a few months earlier."

Excerpt from: The International Contest For RADAR by Ed Lyon in the latest issue (Volume 9) of the AWA Review.

This is the first solid reference I have seen to the use of amateur gear during the war. I am curious about this because I had always heard (and I think it is documented in 200 Meters and Down) that public and private amateur radio gear was drafted at the beginning of the war due to a shortage of radio equipment.

My curiosity stems from the fact that I have a pre-war rackmount HRO that has hand lettering on the back that looks like some sort of reference number (it says SE64-1, SE64-2, -3 and -4 on each of the 4 rack components). I was wondering if this number was used to track the radio so it could be returned to its owner after the war. Has anyone ever seen any detailed info on how amateur gear was collected at the outbreak of the war?

PS: That article on RADAR is can't-put-it-down reading. HIGHLY recommended. AWA Review Volume 9 is still in print and available from the AWA.

73, Don

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Re: Amateur Gear in WWII
Message-ID: <53668.ddillman@igc.apc.org>

On Sat, 27 Jan 1996 09:44:15 -0600 (CST),
don merz <71333.144@compuserve.com> wrote:

>This is the first solid reference I have seen to the use of amateur gear
>during the war. I am curious about this because I had always heard (and
>I think it is documented in 200 Meters and Down) that public and private
>amateur radio gear was drafted at the beginning of the war due to a
>shortage of radio equipment.

The story of the purchase of all available S-27 receivers by the British military was also mentioned, if I remember correctly, in "The Wizard War", an excellent account of scientific intelligence during

the war by R.V. Jones. It was that reference, in fact, that prompted me to buy a S-27.

As to privately held amateur gear being drafted into military service, there are numerous requests in QST beginning with the January 1942 issue for amateurs to advise the government of the equipment they are willing to sell for military use. The need was so great that not only commercial equipment but home brew sets were wanted as well.

Later, there were requests for panel meters of various types, these apparently being in short supply.

On the personnel side, there were constant requests in 1942 and later for radiomen (apparently, radiowomen were not admitted to exist) for some jobs I would have *loved* to have, such as those in the expanded monitoring services looking for enemy transmissions.

I guess I'll just tuck my SX-28A under my arm, pop into the time machine, set the knobs to 1942 and... Hey! What's that fly doing in here?

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: pmills@cyberhouse.com (Phil Mills)
Subject: anyspeak -- plate xfmr needed
Message-ID: <199601262114.PAA16340@ns.cyberhouse.com>

As for the fleaspeak, I think I'd rather believe someone who honestly says "I really don't know".

My sad story.....I have just been finishing up the restoration of a B&W 5100B that I purchased from an unnamed electronics dealer in Dallas. It was advertised as in VG condition but not working. Well, the front panel and cabinet were in G (good) condition but the inside was really filthy. I've never seen green mold growing on a tank coil until I got this unit. Well after a lot of cleaning, testing, reforming electrolitics, and about 12 hours on the computer reconstructing the vfo dial paper, I thought I had everything going okay. Only it appeared to put out a max of 50 watts on 20 meter cw.... I passed this off as just not having my swr meter on the bench calibrated. Well, it put out only fifty watts in the operating position with a different wattmeter. Back to the bench for some measurements....grid and screen bias

okay on the finals....plate voltage 300 volts!!! To end this story....some idiot had replaced the plate transformer with one that only puts out 600 v.c.t. instead of the 1200 v.c.t original.

Anyone got a B&W 5100 parts unit or plate transformer they want to sell or trade? I need something that is 1200 to 1300 v.c.t. at about 350 ma. No filament windings needed.

thanks,
Phil

Phil Mills, AB5TH
pmills@cyberhouse.com
713-482-2763

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: Michael.J.Knudsen@att.com
Subject: Re: AVC/AGC
Message-ID: <9601261931.AA04809@bock.ih.att.com>

Sit back and drank and give thanks to Hank for his AVC article. I'd been wondering why some sets -- like my Philco 118 with 2 IFs -- has no AVC on the 2nd IF, even tho its detector seems to overload on strong signals. Maybe Philco used a sharp-cutoff 77 in the 2nd IF since they didn't want a variable-mu tube handling a strong IF signal and causing distortion. I'll have to check the set to see if the 2nd IF is a 78 like the first one (variable mu) or a 77.

Also I've been considering extending AVC to the RF amp in my RA-17. Nasty to hack with a British classic, but this set's dynamic range is so limited that it can't handle a wildly fading SW signal without overloading when the signal is good and losing it in the converter noise during the deep fades. (This Racal has a manual antenna attenuator control ahead of the RF, much like the "volume controls" of the early radios Hank mentioned.)

Finally, note that top-flight comm rx can have a very "flat" AGC curve, giving nearly constant output over the entire usable signal range. When I first got my SP-600, I hooked up a speaker and powered it up and went looking for my antenna feed. I tuned it to a local BC powerhouse and could barely hear it with no antenna. As I brought my hand and the antenna connector near the radio's jack, the signal came up a bit but was still noisy. When I made the connection the voice didn't get any louder, just cleaner, while the S meter went from left pin to right pin! Nice radio.

Post finally, a rule of thumb is that the more AVC controlled stages a radio has, the better the AVC action will be. The SP-600 has at least four stages (2 RF, 2 IF, and maybe a mixer or two), but the Racal has only 2 IF stages (they wisely avoid the mixers). Anyway, not only is a rx better for having an RF stage and more than one IF, but it will give flatter AVC control.

Yet another "final" xmsn -- Hank is right about local oscillators that change freq with AVC voltage. CW note wanders around as you play with the RF gain, and SSB is impossible with AVC on. I've even used the RF gain to fine-tune SSB signals on a set I won't name.

Oddly, this effect seems worst on Sorry-State gear -- but how AVC works on those is a whole 'nuther subject. Maybe Hank will post something over on VSS, or maybe I will. 73, mike k w9nrd

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: Lrware@aol.com
Subject: BA for sale archive list
Message-ID: <960127101654_305238620@emout06.mail.aol.com>

Gentlemen: The "for sale" list has not been updated recently because no one has asked for an item to be added. If it doesn't sell after you post it once to "boatanchors", then it's a good candidate for the list.

Please remember:

- 1) E-mail requests to be added to the list to me at lrware@aol.com with "BA FOR SALE" in the subject line.
- 2) Please remember to request removal when it is sold.
- 3) You get the list from "listproc@theporch.com", not me.

Thank You,
-Larry Ware
lrware@aol.com

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: DUBY TODD <dube2@mci.newscorp.com>
Subject: Re: BA in the movies
Message-ID: <199601272348.SAA30366@camus.delphi.com>

RUNYAN@GONZAGA.EDU wrote

>Last evening I watched the movie "The Coneheads" starring Dan Akroid. In
>this comedy, an alien couple crashes on earth and find themselves stranded
>and having to blend in. Beldar, played by Akroid, builds a "face phone"
>to contact Remulac to request help. The vital modern component he needs
>for this phone is a vacuum tube he pulls from an old TV set where he

>works. The tube ends up on the table in his home and is on screen for
>about 3 seconds. It is an octal type with a black plastic base. It
>appears to be a 6AU5 or a 6W6 and has a GT bulb. Interestingly it
>appeared that the black plastic center socket guide was missing and the
>getter coating the inside top of the tube had turned white. Go figure.

Yep; one should expect to find that Coneheads, Beldars and Remulacs (and
writers of such) to use un-vacuum tubes in their far-in-the-future
electronic equipment. Air molecules are rare on other planets but what
little there is has been captured by their most brilliant scientists in
order to make semi-insulator oscillamps. :)

Dube Todd

AB5AP

dube2@mci.newscorp.com

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996

From: RUNYAN@GONZAGA.EDU

Subject: BA in the movies.

Message-ID: <01I0I9FQZTDU001SG3@GONZAGA.EDU>

Last evening I watched the movie "The Coneheads" starring Dan Akroid. In
this comedy, an alien couple crashes on earth and find themselves stranded
and having to blend in. Beldar, played by Akroid, builds a "face phone"
to contact Remulac to request help. The vital modern component he needs
for this phone is a vacuum tube he pulls from an old TV set where he
works. The tube ends up on the table in his home and is on screen for
about 3 seconds. It is an octal type with a black plastic base. It
appears to be a 6AU5 or a 6W6 and has a GT bulb. Interestingly it
appeared that the black plastic center socket guide was missing and the
getter coating the inside top of the tube had turned white. Go figure.

73s

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996

From: pmills@cyberhouse.com (Phil Mills)

Subject: BA outage?

Message-ID: <199601271431.IAA21206@ns.cyberhouse.com>

Did anyone else loose all BA mail from about 7 p.m. yesterday to about
7 a.m. today? I'm trying to figure out if my network provider dropped
everything or if something happened to the listproc.

thanks,
Phil
Phil Mills, AB5TH
pmills@cyberhouse.com
713-482-2763

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: kv9x@scn.org (Brian High)
Subject: BA spotting: National 125 w/speaker
Message-ID: <199601280111.RAA16916@scn.org>

Hello BA gang!

I just saw a National 125 with matching speaker for sale
in a small Seattle shop for \$80. Mods look like it was used
for a converter. Two BNCs were added to rear with labels:
"30 MHz in" and "IF out" or some such thing.

It is in "good" cosmetic shape, with only a few minor scratches
and some DYMO lables on the dial cover marking some AM
station locations.

What was this rig designed for? Ham or SWL? Do any of
you who have used one like using them? Is this is fair
price for it, so long as it is in good working order
(no manual)?

I am interested in getting it for a livingroom SWL
rx, which can be used for hamming on occasion.

Thanks for your input (in advance)!

--Brian, KV9X (subscribed as nwqrp@scn.org)

--

***** Brian High *****
* INTERNET: kv9x@scn.org PACKET: kv9x@kv9x.ampr.org *

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
Subject: Collins S line sale

----- Forwarded message ends here -----

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: David Stinson <72227.1640@compuserve.com>
Subject: Command Set Values
Message-ID: <960127211319_72227.1640_EHM80-1@CompuServe.COM>

Dean Davidson <ddavidso@metz.une.edu.au> asked:

>...I want to pay this fellow a fair price for the stuff so any
>suggestions as to value would be appreciated.

Some collectors and dealers will ask more or less; Rare units such as the RAT or the T-17 160 mtr transmitter can command very high prices. It's important to remember that common units such as the BC-453 or BC-458 are *not* rare, they are just sitting in people's garages waiting for them to croak. More come on the market with every estate sale. Even though it's in my vested interest to inflate the value of common units, they are not worth the \$100 some people ask for them.
This is one collector's opinion, though it's an informed one.

Current market values based on prices I've paid, sold for and seen in US\$ (sorry; don't know the exchange rate):

>T-18/ARC-5 Black - made by Aircraft Radio Corp...Fair condition.
Harder to find and easy to put on 160 mtrs.
Assuming it is complete and in in fair/working shape,
meaning it needs cleaning / dirty relays / paint / tubes weak,
but otherwise all there and intact, \$40-\$45.

>BC-457-A...Good condition, except the tank coil has been
>removed and the antenna loading coil scale is cracked.
>BC-457-A...fair to poor condition, VT136 tubes missing but this
>one has crystal..... Antenna loading coil scale is cracked....
>Many scratches and dents.
BC-457 and 458 units are very common.
\$30 in the best condition short of NIB.

A unit that has *ANY* mod not 100% restorable,
meaning any pieces missing or holes drilled is
a "parter" and is \$15 and down. This goes for

common receivers, too.

>BC-453-B Alumin - Made by Western Electric Serial 50020
>Excellent condition, this even has a RAAF servicable label on
>it dated 2 May 1949. Unfortunately the dyno is missing
The BC-453 is extremely common, half a million having been made.
They bring about \$25 in good shape.
However, the RCAF modded units are more rare and sought
after by collectors. About \$35 in good shape.

>I would be interested if anyone has the reciever and transmitter
>racks, TX modulator/power supply, dyno for the rx, tuning handle
>for the RX etc....

Accessory items such as racks, mounts, control boxes, modulators
and etc. are harder to find then the radios themselves and can be
quite expensive. A good condition MC-7/ARC-5 plate modulator
with DY-8 dynamotor is easily worth \$80 these days, and a BC-456
SCR-274-N screen modulator with dynamotor a little cheaper
at about \$65. The receiver dynamotors can still be had from
Fair Radio for about \$15, but going fast.

Current value Rule of Thumb for average condition,
being used/complete/unmodded.

Common SCR-274-N:	Common ARC-5:
BC-457, -458 \$30	T-18 Tx \$45
BC-459 \$35	T-19 Tx \$45
BC-696 \$40	T-20, -21 Tx \$35
BC-453 Rx \$25	T-22 Tx \$40
BC-454, -455 \$35	R-23 Rx, single ant. post \$25
	R-26 Rx \$40
	R-27 Rx \$40

73 DE Dave Stinson AB5S/7
72227.1640@compuserve.com

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: KWDouglas@aol.com
Subject: Cookson Hills OK Swapmeet Report
Message-ID: <960127112644_128716454@emout05.mail.aol.com>

This is hardly worth the effort in typing, but....

There were several component junk boxes under the tables but nothing that was of rare or important value, at least to my eyes.

Only one item that could be considered a BA made an appearance. It was a Heathkit Q-Multiplier that appeared to be in nearly mint condition with original manual. Price: ONE DOLLAR! I nearly ripped the pocket off my jeans getting my wallet out but that wasn't fast enough. Someone beat me to it.

I hereby resolve to get there earlier next time. This is really a very small, local affair but sometimes the best bargains are found at these things.

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: Kim Herron <kherron@voyager.net>
Subject: Drake 500 HZ filter for sale
Message-ID: <199601271852.NAA15114@vixa.voyager.net>

Hi Gang.

Discovered that I have 2 extra Drake 500 HZ filters int the drawer. \$45.00 each gets them. If you need one let me know.

Thanks

KIM

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: Bill Meara <w.meara@server1.codetel.net.do>
Subject: Re: Feeling like an appliance op...
Message-ID: <9601261914.AA06577@server1.codetel.net.do>

Bill: FB: The clock is yours OM. I hope you can get it working. It is really not in very bad shape. There is even a plastic cover, but I don't think it is the original cover - it may be an improvisation. I'll send it all to you next week. Let me know how the project works out. I like the HQ-100 very much. I need to get some better test gear so I can to a proper alignment. I've found the "calibrator as BFO" mod to be very useful. The receiver is good for SWL and for listening to 75 AM phone. One of these days I'm going to whip up a little 40 meter rock bound transmitter to go with it. 73 Bill N2CQR/HI8 74537.1100@compuserve.com >

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996

Subject: FS Hammarlund HXL-1 Linear amp

Thanks,

KIM

----- Forwarded message ends here -----

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: "Roy C. Pollitt" <76161.2377@compuserve.com>
Subject: FS: CQ Mags and ARRL Handbooks
Message-ID: <960127023132_76161.2377_GHM141-1@CompuServe.COM>

FOR SALE:

1987, 1988, 1989, 1990, 1992 CQ Magazine
(each year library bound)
1988, 1989 ARRL Handbook (clothbound editions)

ALL for \$ 75 (I'll pay shipping)

E-Mail that you want them and I'll
e-mail back if you are the first taker.
(I'll reply even if you aren't.)

Roy C. Pollitt KD4HC
76161.2377@CompuServe.com

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: "Gary H. Harmon, Jr." <gharmon@txdirect.net>

Message-ID: <199601271625.KAA16642@legend.txdirect.net>

BTW, this is a GREATTTTTTTTTTTTTT dependable list, and I was proud to send my \$12 to Jack and company. Keep up the good work!

```
=====
<<<<<<<<<<<<<< T00 many projects, NOT enough time! >>>>>>>>>>>>>>>>
```

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: FS: Knight R-100A Receiver
Message-ID: <61877.ddillman@igc.apc.org>

The radio is in good, clean, original condition. Operational on all bands, everything seems to work. The front panel is in good condition except for a very small amount of masking tape or possibly Dymo tape residue to the right of the S meter (should be easily removable) and a small, pencil-point nick in the paint below the Q-multiplier null/peak control. The cabinet is in good condition.

Would anyone be interested in this radio for something in the neighborhood of \$125 plus shipping from San Francisco?

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:

Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: Collins S line sale
Message-ID: <77884.ddillman@igc.apc.org>

NOTE The message below is a re-post from rec.radio.swap. All replies must go to the person making the post, not me.

----- Forwarded message begins here -----
From: Guy Quartarone <guy.quartarone@channel1.com >
Newsgroups: usenet.rec.radio.swap
From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: FS Hammarlund HXL-1 Linear amp
Message-ID: <77889.ddillman@igc.apc.org>

NOTE The message below is a re-post from rec.radio.swap. All replies must go to the person making the post, not me.

----- Forwarded message begins here -----
From: Kim Herron <kherron@voyager.net>
Newsgroups: usenet.rec.radio.swap
From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: Mike White <mpw@chensys.com>
Subject: Galaxy V Mk3 Power Supply
Message-ID: <2.2.16.19960127002709.459f4e7c@pop3.chensys.com>

I'm looking for a Galaxy V Mk3 power supply - how much should I expect to pay? Does anyone have one?

Thanks-
-Mike

--
Mike White Chen Systems Corporation
N9UXC voice:715/833-7067
 fax :715/833-7096
<http://www.chensys.com>

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996

From: BRIDGERS@gonzo.ccl.org
Subject: Heathkit AT-1 surprise and AC-1 Case
Message-ID: <960127112108.20405258@gonzo.ccl.org>

Good morning fellow enthusiasts!

Well I finally was able to find a Heathkit AT-1 and Antenna Coupler AC-1 which replicates my novice rig of the mid-1950's. Unwrapping it from the boxes it arrived in got me about as excited as I can remember being 40 years ago when the kits arrived from Benton Harbor.

First thing I noticed though was that it seemed to weigh more than I recalled. So I removed the case, and found a 2E26 in place of the 6L6, and though I cannot tell for sure yet, the xfmr seems heavier and probably puts out more voltage and can handle more current than the original xfmr.

The good news is that this mod was done in a way that is reversible. There are no extra holes, or any other changes that would prevent me from restoring it to a 6L6.

My question is this: Should I just keep this mod1E{, replace the caps, and just have fun with a 2E26, or restore it to a 6L6? Anyone happen to have an article, schematic or other info on this 2E26 mod? Externally, there is no clue that this AT-1 had been modified...

Now the AC-1 antenna coupler is another matter externally. Someone removed the Heathkit case and mounted the AC-1 in large Bud box. Actually looks fine, and I cannot for the life of me figure out why this was done. Maybe the original box was damaged --- dunno. Anyway ... my question is this: does anyone have an AC-1 that they would sell me, or the case for an AC-1 for sale? I'd be interested in restoring this to its original physical container...

I also got a VF-1 in the deal. As far as I can tell, it has no mods and will work just fine.

Have a great day and great superBowl weekend,
Tom KE4RHH Bridgers@Leaders.CCL.org

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: Heising Modulation chokes
Message-ID: <m0tftaA-000Ts4C@spider.lloyd.com>

Gang,

I have beside me as I type this a darned heavy chunk of iron and copper. I am wondering just how suitable it would be for use in Heising modulation.

It is a swinging choke which, for all I (don't) know could limit its usefulness in such an application. Anyway, here are the particulars as they are printed on the windings:

7.2 - 30 HYS

25 - 500 mA DC

250V 60 CPS

3200 WV

My main confusion is about the suitability of a swinging choke in a Heising modulator. I really don't understand the significance or raison d'etre of a choke whose inductance seems to be a function of the current through it.

Any and all enlightenment would be appreciated.

73,

Jim - km6nk

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: "E.Swain/T.Boyd" <lizboy@io.com>
Subject: HT-32A & HR10B are GONE!
Message-ID: <Pine.BSI.3.91.960126131230.12045J-100000@xanadu.io.com>

Thanks to all for the responses to my FS ad. These units were snapped up almost instantly!
Tom Boyd

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: hy I'm inevident
Message-ID: <Pine.SUN.3.91.960127103030.19375B-100000@indy1>

Hi, gang!

Well...gents, I'm Rosie the Riveter these days, steel-toed boots, hardhat, safety glasses, earplugs and all! (So much for my career as a calandar model).

We've finished PCB abatement in the front room at work, had the vinyl asbestos tile properly abated (this means it is gone. I have no idea how--they sealed up the place for three days and when they left, the floor was bare. Elves?), and construction work is proceeding apace.

"Apace" is too slow a word. We got the ground strap for the new rig roughly planned at a meeting yesterday, everyone drove up to the site,

the transmitter mf'r got their numbers down, the electical subcontractor and architect and yours trueely worked from that, the spost were marked, the general subcontactor snapped a line, sprayed it, and the concrete saw was fired up. Just that fast!

(BTW, that's some ground strap, 1/4"x4" copper buss duct, hard-soldered at the corners--and you thought *you* had a ground! It's a start system, too).

It'll keep on that fast for a good long while, too. We hope to check out the new rig at the factory on Valentine's day and be installing it here a week later...and all of the room has to be ready by then! The new transmitter's just Phase One of an at least three-phase project. (Umm, literally in some ways--a heap of electrical work looms). So I'm going to be scarce. I'll try to check in, but it will be hit or miss.

73,

--Bobbi

(Who finally met real actual Harris Broadcast engineers yesterday. Sharp lads! I like 'em much better than the salesfolks. <grin>)

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996

From: Chris Sieg <c_sieg@conknet.com>

Subject: RE: KWM2 antenna relay

Message-ID: <Chameleon.4.01.2.960126202554.c_sieg@PIEXX.conknet.com>

Hi Folks,

A month ago a posted a note about a replacement relay for the antenna relay in a KWM2-A. The Potter & Brumfield number is KA11DG110 and the Newark number for that part is 45F030. When I purchased the relay from Newark, several months ago, the price was \$28.16. If you haven't delt with Newark before, their catalog prices are quite a bit higher than what they will actually sell the components for, so ask for a better price. The P&B part I've specified has the switch terminals in a slightly different orientation from the original, but everything goes together easily, and the mounting and physical dimensions are identical to the original.

73's

-Chris

Name: Chris Sieg WA3LDI

E-mail: c_sieg@mail.conknet.com (Chris Sieg)

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996

From: arther.dent@smtp.prostar.com

Subject: Re:Long life tubes

Message-ID: <199601270226.UAA25659@uro.theporch.com>

JN> ...speaking of which... anyone take a dead "lifetime Guarantee"
JN> tube back to Radio Shack recently?

sure did.....took one back today. it was a 5Y3GT, and the clerk looked at the tube then at me and said " what did this come out of?" i said " does it matter?" anyway he made a phone call and learned.....

- 1) that radio shack did sell tubes in the past.
- 2)that yes they were lifetime guaranteed.
- 3) that he should order one for me free of charge.

although i did here him make the comment, "you mean the store has to pay for it?" to who ever was on the other end of the line.

he also said that it would take about a week to get the new tube, and that he thought that it would only be guaranteed for 3 or 4 years. he also said that in the 4 years that he had been a manager this was the first time anyone had brought a tube in for warrenty.

will update when the tube comes in.....

mike

KB7VNT

i transmit therefore i am.....

cc: boatanchors@theporch.com

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996

From: DUBY TODD <dube2@mci.newscorp.com>

Subject: Re: Long life tubes

Message-ID: <199601270251.VAA11214@camus.delphi.com>

>I nominate the 0B2 for the most long lived tube. The filament never went bad.

>

>Jim, W1EQO :)

Yeah, but they get gassy real fast!!! :)

Dube AB5AP

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996

From: David Adams <dave@flowserver.stem.com>
Subject: Manual for Heath IG-42
Message-ID: <9601270032.AA14246@flowserver.stem.com>

Greetings! I just received a heath lab generator model ig-42 and was hoping someone may be able to supply a manual or copy there of. (Ed. Note: Improper grammar).

73 de dave, n9uxu

I've decided that I really need to add some shelves for my anchors. Unfortunately I can't anchor into apartment walls, so I need to make a monster desk hutch...The R390 I'm picking up next week will go on a nice solid oak stand of it's own though.

David J Adams N9UXU QRP-L #83
dave@flowserver.stem.com NorCal QRP #1442
(415) 813-5028 Flow Cytometry Specialist

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: March '72 CQ Article Needed
Message-ID: <199601261657.KAA06773@dlep1.itg.ti.com>

Greetings,

My Eico 753 has some mods which a previous owner notated on the schematic as coming from March '72 CQ, page 27. Don't know whether this is an article on the 753 or something like "Hints & Kinks". The mods involve several circuits and appear to be misc refinements, but their purpose(s) is not obvious to me.

Anybody willing to copy the page(s) from CQ. I'll gladly reimburse costs plus coffee money.

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are my own.

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: David Adams <dave@flowserver.stem.com>
Subject: Meters for 390
Message-ID: <9601270033.AA14261@flowserver.stem.com>

Greetings! There was semi-recently a posting by a guy attempting to make some replicate meter faces for the 390 using an hp plotter. If you are that fellow, could you let me know how it is going?

dave

=====

David J Adams	N9UXU QRP-L #83
dave@flowserver.stem.com	NorCal QRP #1442
(415) 813-5028	Flow Cytometry Specialist

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: "Darrel L. Nichols" <NICHOD@delphi.com>
Subject: MFJ-249 and your BA
Message-ID: <01I0I1U75YB69DDIKD@delphi.com>

I wanted to share a use for the MFJ-249 SWR Analyzer with your receiver collection. Some ideas have sprung up in the shack over time. This is perhaps the most useful at my QTH.

This thing is a quite nice little sig-gen. Not very stable but with a counter readout doesn't need to be; and sure is easier to carry around the receiver racks than a URM-25! It has made the use of non-calibrated receivers much easier.

Frinstance: I'm currently using an NC-183D on 160 AM. With no 160 bandspread on the dial, freqs are easy to find by dialing up the MFJ and hunting for it's carrier. In about five minutes time, I made a 3x5 card listing of log points on the receiver BS dial by setting the 249 every 5KC and finding the sig. After this, it is really easy to find the set point on the main dial by using the analyzer as an adjustable 'Frequency Standard'. In this case, at 2.0 MCS. (SRI, but says CYCLES on my dials). Anything with a PW dial becomes much more hospitable with this system, too.

A small wire antenna will put out a sig, but with connection to ur T-match, you can adjust the match off the air then count the xmitter output. That might limit some of the carriers on my puny Viking II

signal! You will need a capacitive divider for both TX and RX calibrating. The thing puts out a couple MW and the input must be limited to 5 volts....So treat the little bugger like your last good WD-11!

Still looking for an SX-11 panel.....NØDBX

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: Cormac Thompson <cormac@televar.com>
Subject: NAVIGATOR METER
Message-ID: <310AC920.6BC6@televar.com>

Hello group:

I need an original meter for my Viking Navigator. Does anyone have one for sale or trade or even a Navigator junked out for parts which has a meter?

Thanks.

Cormac W7JHS
cormac@televar.com

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: Lrware@aol.com
Subject: old VLF test equipment
Message-ID: <960127114914_305283327@emout06.mail.aol.com>

Gentlemen; I recently acquired (from a fellow BA'er) a very odd piece of test equipment. It's marked as follows:

Frequency Meter

50-150 KC

S/N 1

At one time it belonged to the:

GE Radio Transmitter Engineering Division Lab

and also has a GE lab data plate listing it as
asset S/N CC-66

The Cal chart in the cover is dated 2/29/1949.

A look inside revealed, one 25Z6 and two 6J7's in working condition.

A line powered system, two wire power cord, no ground, tied right to the 25Z6... (Oh boy, where is that darn isolation transformer anyway? I know it's around here somewhere... :-)

It appears to work based on the hetrodyne/beat method, included was

the rattest set of headphones I ever saw. :-)
Uses a single large tuning cap, coupled through a National gear box
and one of those wonderful old National tuning dials.
Couple of large tapped colis, etc.
Lots of old wax/foil caps... Very ratty old cloth/Gutta Percha (sp?)
wiring, etc.
If this thing wasn't S/N 1 it would be spare parts.
But in keeping with the saving/restoring of old firebottle equipment,
I can't cannibalize s/n 1 of anything :-)
SO... Anybody know anything about one of these?
Manual would be a godsend...
Will pay costs, etc. for a copy -or- buy outright.
Thanks
-Larry Ware
lrware@aol.com

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: don merz <71333.144@compuserve.com>
Subject: Perham Foundation
Message-ID: <960127143034_71333.144_DHB43-2@CompuServe.COM>

Several folks had asked about the address of the Perham Foundation. They
are at 101 First Street, Suite 394, Los Altos, CA 94022.
I have no actual contact with this group but they have a sterling
reputation as vintage radio preservationists.
73, Don

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: "Barry L. Ornitz" <u856010@eastman.com>
Subject: Re: Phasatron
Message-ID: <Pine.ULT.3.91.960126185410.17205B-1000000@dua150.kpt.emn.com>

In an article by Homer Blincoe, the GE Phasatron tube is discussed as an
early technique for generating phase modulation. Someplace in my library,
I have a fairly complete description of this tube including cut-away
drawings and a full theory of operation. I would imagine if anyone has
one today, it would be rather valuable to collectors.

I once ran across an RCA book in a used book store that detailed the early
history of FM. It included many of the original RCA internal technical
reports on fidelity and propagation effects. I can kick myself for
passing it up. One transmitter design was quite interesting. It used a
special cathode ray tube with a fine spiral metallization on the face

plate. I believe a low radio frequency was used to intensity modulate the beam and the audio went to a set of deflection plates. The resulting current from the target anode was thereby phase modulated since the effective series inductance was determined by how far the beam was deflected before striking the spiral inductance.

I believe this technique was developed much as the GE method Homer described - a way to get around Armstrong's patents.

73, Barry WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: Jerry L Pittenger <pittengj@battelle.org>
Subject: restoration
Message-ID: <9600278227.AA822773938@ccmailgw.im.battelle.org>

To all BA addicts: I am new to this game but having great fun restoring the old stuff. I also have an older Corvette (1984) and enjoy polishing the shocks and cleaning the frame and polishing the spark plugs. Over the years, I have read a lot on automobile restoration and find that the methods work great on radios also. For example, I use Mothers Polish (a brand ... not your real mother) on the old chassis' of the radios and they come out looking like new. The polish takes off all the oxidation and cleans the corrosion. Likewise, the little automobile detailing brushes are great to clean cracks and crevices. I recommend buying a detailing book (many are on market) and looking through it for some great ideas.

Jerry K8RA

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: Henry van Cleef <vancleef@bga.com>
Subject: Re: Small alignment problem - SX-101
Message-ID: <199601262206.QAA12780@zoom.bga.com>

As Jim Lockwood said

>

> At 09:16 AM 1/25/96 -0600, Allan Fritsche wrote:

> >

> >

> > Hi Gang, I just realized that I don't have a Sig Gen that will align the the
> >SX-101 50.75KC stage. All ive got is an old Heath IG-102 that goes down to
> >100KC.

>

> Heath, bless'em, solved this problem for once and for all as far as I'm
> concerned, in the alignment of the Mohawk, which also has a 50 KC IF.
>
> Here is their solution to the problem:
>
> Turn on the BFO.
>
> Through a gimmick, loosely couple the BFO signal to the 50Kc IF stage.
>
> Using a frequency counter, set the BFO to 50.75 Kc.
Whew! A frequency counter is a device I don't have. There are two
things that can be used here. One, of course, is an audio oscillator,
like an HP200CD. Audio oscillators come in handy for lots of things.

The other method that can be used to set the BFO frequency is an
oscilloscope. The period of 50.75 Kc. is 19.7 microseconds. On a Tek
533A you can read that directly on the 2 usec/div sweep rate. The scope
needs to be accurately calibrated. However, with a scope like the
533A, take advantage of the fact that the mid-range 1,2,5 ranges are
set by the same resistors over several decades, and the 1,2,5 group in
each decade is set by one capacitor. You can directly calibrate the 2
usec scale with a 100 Khz calibrator signal.

To read a sine wave period accurately, center the signal on the screen
vertically, and make the 0 (graticule center line) crossing happen at
the first vertical mark. Read the period at the end of the cycle where
the sine wave is crossing the 0 line in the same direction. With a 100
Khz reference, you should see two complete cycles, and see the second
zero crossing right at the 10 CM mark.

On a scope with delaying sweep, such as a 535A, you can use the
delaying feature to "walk" the display down a few cycles, and read the
time value directly from the helipot as multiples of 19.7 musec, in "A
delayed by B" (or "main sweep delayed" on the older scopes). In this
case, the B sweep must be accurately calibrated, but the helipot
readings are easier to read accurately than the CRT graticule.

I am, quite frankly, not "big" on frequency counters. The old
boatanchor variety generally are difficult to calibrate accurately and
keep in calibration. The newer ones may be better, but cost \$\$\$\$.
Getting accuracy out of scope readings requires a bit of skill, and a
bit of work to make sure that the "unknown" you are reading is relative
to a "known" (such as a 100Khz crystal, in this case).

Another method, using a scope and a VFO generator, is to use a
lissajous figure. Set the VFO for 101.5 Khz and connect it to the
scope vertical. Connect the BFO output to the scope external
horizontal input. When the BFO is at 50.75 Khz, you will get a

two-lobed "crown" that doesn't appear to rotate. Of course, this relies on accuracy of the 101.5 Khz. If you have a 100 Khz crystal, you can set the generator to 100 Khz. and trust the dial calibration for the 1.5 additional Khz. Lissajous figures are very precise in determining frequency ratios, and can be used up to about 10:1 with a 5-inch scope. Of course, keep in mind that you get stable patterns with all small whole number ratios, such as 3:2, 4:3, etc. For N:1, make sure you have a single cycle on one axis.

While not applicable to a frequency as high as 50 Khz, I'll mention that commercial power at either 50 or 60 Hz. is a "low freq WWV." With lissajous figures, you can measure points between 10 and 600 Hz. very accurately.

>
> Do the peaking and tweaking called for in the IF alignment instructions.
>
> When you are done with the IF, reset the BFO frequency back to 50 Kc.
>
>
> It's just that simple and the procedure actually works. I've used this
> "trick" to adjust the IFs on my Mohawk (where I learned it), on an SX-100,
> and on an SX-115. Haven't had a bit of trouble.
>
> Good luck and 73,
>
> Jim - km6nk
>
>
>
>

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Sparky's Home page
Message-ID: <71098.ddillman@igc.apc.org>

Whilst surfing the 'net a moment ago a link on the WUN (utility monitoring) Web site sent me to Sparky's home page. Forgive me if

this has been mentioned on the BA list before, but Sparky's is a site that's right up the alley of many of us.

Some examples to whet your appetite:

Two photos of the Morse position at KLC (Galveston) in the late 70s showing what appear to be two SP-400s with their tuning knobs linked together by a chain drive (I have a picture from a visit of mine to KFS in the early 70s showing *three* ITT receivers similarly linked).

Two photos of the radio room aboard MV Liberty Star/WCBP showing the equipment to good advantage. Two computers may be seen and there's even a shot of the satcom dome. *But* the mill remains in its place with paper in place, ready to copy. As it should be.

Sparky's home page. Recommended. Skyking sez check it out.

<http://www.rampages.onramp.net/~rangerj/>

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: Lrware@aol.com
Subject: status: National RCP rebuild
Message-ID: <960127161315_408034631@emout04.mail.aol.com>

Hi folks:

Some of you may remember my recent post about how the heck National built or serviced the tuning cap and coil bank in my RCP. Well... to keep a long mess short:
I'm going about the reassembly by using small amounts of super-glue to pre-position the screws and other hardware for holding the coil contact bars in place.
I still don't know how they built it the first time, unless it was wired in and connected before ANYTHING else on the chassis. :-)

Never did find a National power x-former, replaced it with something close and a small filament x-former from the local surplus shop. Found a bad filter cap, (in a large can) cut the cans open for all filter caps and installed modern replacements in the cans. glued the can lids back on and into the radio they went.

Never be original again but I plan to get it working yet...

Found several strange mods made by someone in the receiver, putting it back the way the manual says for now. I'm making notes and may put the mods back someday.

BTW: found rust and corrosion under many of the riveted ground lugs, had to drill them out and replace with 4/40 brass hardware.

By the time I'm done with this thing, I'll have over 200 hours in it. I figure I might get \$80 for it if it works... Spent \$60 on parts so far, so that works out to: .10 per hour for labor. Buy am I glad I do this for fun, I'd starve trying to make a living at it... :-)

-Larry Ware
lrware@aol.com

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: Charles Mann <mannnc@idirect.com>
Subject: SWL Antenna Questions
Message-ID: <199601271942.0AA12820@lucid.idirect.com>

Hello there, this list has inspired me to get my BA's functional. I have some questions that maybe somebody could help me out on.

1. I will be raising a long-wire antenna as soon as our cold Canadian winter begins to subside. I want to run RG-58u coax back inside the house. Some of my receiver manuals suggest the use of a 50 ohm coupler at the antenna/transmission line interface for best performance. Anyone know where I can get one of these things? Maybe I could build one, if I knew what it was. This is for listening purposes only.

2. Is there some way to feed multiple 50 ohm BA's from a single antenna? I am thinking of something like the splitters we use for cable TV. Problem is, I really can't afford any signal attenuation. Maybe a switch would be better, could I use a standard rotary type of switch in an aluminum box?

Any input appreciated.

Charles
mannnc@idirect.com

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996

From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Re: SWL Antenna Questions
Message-ID: <63070.ddillman@igc.apc.org>

On Sat, 27 Jan 1996 13:43:01 -0600 (CST),
Charles Mann <mannnc@idirect.com> wrote:

>1. I will be raising a long-wire antenna as soon as our cold Canadian winter
>begins to subside. I want to run RG-58u coax back inside the house. Some
>of my receiver manuals suggest the use of a 50 ohm coupler at the antenna/
>transmission line interface for best performance. Anyone know where I can
>get one of these things? Maybe I could build one, if I knew what it was.
>This is for listening purposes only.

Greetings, Charles. I typically use the type of antenna you have in
mind - a wire end fed with coax - with good results for SWL purposes.
My reason for using a coax feed is to keep as much shack-generated
noise from computers and such from reaching the antenna.

As to the 50 ohm coupler, the impedance of the antenna at the point
the coax connects to it will vary wildly depending on frequency so
providing a match between the coax and the wire is not practical - nor
is it necessary according to most people. One thing that does seem to
work well according to some list members is a magnetic balun such as
the MLB-1 made by Palomar Engineers (\$39.95, Box 462222, Escondido, CA
92046, Phone: 619-747-3343). I havent used one myself but plan to
give one a try.

>2. Is there some way to feed multiple 50 ohm BA's from a single antenna? I
>am thinking of something like the splitters we use for cable TV.
>Problem is, I really can't afford any signal attenuation. Maybe a switch
>would be better, could I use a standard rotary type of switch in an
>aluminum box?

I use the cable TV splitters for scanner work but I suspect the
insertion loss at HF would be quite high. If you don't need to run
multiple receivers at the same time, almost any switching scheme would
work. There are of course multi-position coaxial switches but I
believe the rotary switch in a box you mention or even less
sophisticated arrangements would work well.

Have fun!

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: Re: SWL Antenna Questions
Message-ID: <m0tgLdu-000TtDC@spider.lloyd.com>

>>

>>2. Is there some way to feed multiple 50 ohm BA's from a single antenna?

What a timely question. Read on and you'll see why.

Here at Radio Free Pollock Pines, I've run all my receivers simultaneously from a single antenna for several years. The hook up has been pure brute force. I run coax and T connectors past the rear of each receiver, connecting to each one in turn.

This has worked very well. The only difficulty has been in determining the connection sequence to minimize interaction among the various sets. What I've found empirically is that my Drake receiver must be the very last receiver in the daisy chain and the others, various hallicrafters, National, and Hammarlund, can be connected in any order.

Until recently this was entirely satisfactory. It changed to unsatisfactory when I wanted to connect two Drake receivers on this "antenna bus". They can't both be "last", so I ran into problems immediately.

This weekend, I've been experimenting with a really dumb sounding cure for this. To my mild amazement, what I've done Seems To Work. Here's what I did.

First off, I bought a Radio Shack Audio/Video 3-Way Distribution Amplifier (Catalog #15-1103). This ought to raise eyebrows just as soon as you check the catalog to see what this is. Let me explain....

This gadget is **not** an RF amplifier, or at least it isn't intended as such. It is a three channel amplifier for distribution of two audio channels and one video channel. What made the goofy idea of using this seem almost plausible was the spec on the back that said the unit was good from 10Hz to 10Mhz. It turned out to be a lot better than that.

I swept the video channel and found that it would operate well beyond 30MHz. For grins, I also swept the two audio channels and found that they, too, will operate beyond 30MHz!!!

You see where this is heading, don't you?

Once I discovered the wide frequency range of this distribution amplifier, I hooked it up to drive three of my receivers simultaneously, an SX-100, a 2B, and an R4B. Previously this combination was completely unworkable; I could hook either the 2B or the R4B to the antenna bus, but not both simultaneously.

All three receivers performed perfectly.

When I get a Round Tuit, I'll reconfigure the distribution amplifier to drive even more receivers. What I'll do is use two of the video channel outputs to drive each of the audio channel inputs. Then I'll take the audio channel outputs (of which there will be a total of 6) to each of the receivers in the radio room.

So that's the long version of an improbable answer to a simple question. I wouldn't have believed this would work if I hadn't looked at the frequency response of this amplifier myself and hadn't heard the results with my own ears. Give it a try and see for yourself.

73,

Jim - km6nk

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: Michael.J.Knudsen@att.com
Subject: Re: table radio
Message-ID: <9601261901.AA04785@bock.ih.att.com>

Just thought I'd mention that a 1950s or later cheapo table radio contains a 12AU6 and a 12BE6. The first is what you put in the BFO and PTO of an R390A to eliminate the need for the current regulator ballast tube. The second is what you put in the BFO instead, if you make a failry simple product detector mod.

Randy's offering is probably too nice to just snatch tubes (tho you can always put 'em back in), but we connoisseurs of high-class radios should remember that there is value in those simple little junkers. 73, mike k w9nrd

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: BHall88620@aol.com
Subject: Texas Hamfests Reccomendations?
Message-ID: <960127182400_408117605@emout05.mail.aol.com>

Howdy Y'all...

Anyone have any information on upcoming hamfests in Texas? I found the following list on the WWW, and was wondering if anyone had comments about how the BA action has been in the past or had any to add to the list...

Feb 17, Bastrop County ARC Hamfest in Smithville, TX
Mar 9, Victoria ARC Hamfest, Victoria, TX
Jul 13, Tidelands ARC Hamfest in Texas City, TX

BTW, I am also looking for a Hallicrafters S-38, A, B, or C, (not the ugly slide-rule dial ones) and a source of indicator dials for a Hallicrafters SX-24 (anyone have a parts set they want to get rid of?)...

Thanks and 73,
Ben

BHall88620@aol.com

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: "C. J. Hawley" <hawley@aries.scs.uiuc.edu>
Subject: Re: Thanks
Message-ID: <3109033E.72D6@aries.scs.uiuc.edu>

Phillip Porch wrote:

>
> I want to thank those of you who have contributed so far to defray the
> cost of the mailing list. I am not a ham radio person myself but do
> supply the hardware and network connection for the list to run on. Thesnip
> Those of you who haven't paid yet, please put your email address in the
> letter or on the check. When the time comes for Jack to review the list,
> the email address will make it much easier.
> Phillip P. Porch <pporch@uro.theporch.com> finger for pgp key

OK, I have been lurking around and missed the official notice of where to send the \$12. Are you the place? Fire me an address.
Thanks. I like the list.

--

Charles Jack Hawley Jr.
Amateur Radio KE9UW (A.K.A. 'Chuck' in Ham Radio)
BMW K100RS, BMWMOA #224 (A.K.A. 'Jack' in Motorcycles)
hawley@aries.scs.uiuc.edu
Sr. Research Engineer Emeritus
Univ of Ill, Urbana-Champaign

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: Jerry L Pittenger <pittengj@battelle.org>
Subject: T0 Keyer knob
Message-ID: <9600278227.AA822773934@ccmailgw.im.battelle.org>

In refurbishing a Hallicrafters T0 Keyer, one of the knobs broke in two pieces from age. Anyone have a knob they will sell me? It is one of the gray knobs with a chrome insert.

Jerry K8RA

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: Sandra L Knepper <slkst29+@pitt.edu>
Subject: Tubes for Sale
Message-ID: <Pine.3.89.9601271603.A29365-0100000@unixs6.cis.pitt.edu>

Rather than post a very long list of brand new tubes that I am offering for sale, I would, respectfully, ask anyone that is interested in my list to send me an SASE. I feel that such a list should not be listed on Boatanchors out of courtesy to those who are not interested in such a post. I am sure that you will be pleasantly surprised at the inventory and the prices.

If you were thinking about getting some spare tubes for your boatanchors, this is your chance. I will be mailing my list with prices back to you on February 8 which I am establishing as my cut off date to hear from anyone who is interested. By the way the list is 4 pages long single-spaced.

Thank you.

Dave Knepper, W3BJZ
POB 34
Sidman, PA 15955

Publisher of the Collins Journal

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996
From: arther.dent@smtp.prostar.com
Subject: virus hoax
Message-ID: <199601270226.UAA25661@uro.theporch.com>

to all who recieved the forwarded mess. concerning the virus hoax please accept my apologies.....i hit the wrong macro key. i ment to dump it in the trash.....not to forward it to the list.....
humbly

mike
KB7VNT

i transmit therefore i am.....

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: mike <michaels@kc2kj.k2nesoft.com>
Subject: wii Ham stuff
Message-ID: <199601272154.QAA28521@kc2kj.k2nesoft.com>

Regarding the connection between hams and wwii I recall reading old qst's that asked for meters so the builders of radio gear could complete their contracts and get the gear to the troops. In fact, the cover had a picture of lots of meters with the headline "Your Meters Go To War"!

--

Michael Sullivan --- michaels@kc2kj.k2nesoft.com

From boatanchors@theporch.com Sat Jan 27 21:06:25 1996
From: MIKE SANDERS <ks0f@basic.net>
Subject: WWII Ham stuff
Message-ID: <199601272128.PAA21750@basic.net>

Greetings Gang,

I bought a bunch of stuff from an old timer some years back. In the pile of stuff was a pair of 4-65's that had a handwritten note stuffed in the box they were in. The note said these tubes came from the tx on President Trumans Holy Cow plane. I had no idea what this meant. I knew of Truman of course but had never heard of the plane. I mentioned this to a friend and fellow BAer and AMer WORMX. Gene who is still active can probably clarify my fuzzy memory of the conversation. He told me he had worked on the radio gear on the plane when he was in the service after coming back from the S. Pacific I believe. I believe he said Holy Cow was not right but some other something Cow term was right. Also during this conversation Gene stated he had seen lots of ham gear in hangers and other storage places that the government had acquired from hams including home brew. Apparently lots of the stuff was not suitable for any use for them and they just stored it. Fuzzy Fuzzy memory but I believe close and some evidence of the military/ham gear connection in early WWII.

73 de KS0F

P.S. Yeah I still got the tubes and the note. ??????????

From boatanchors@theporch.com Sat Jan 27 10:35:26 1996

From: Peter Gerba <pgerba@crl.com>

Subject: Re: [Rovernet] (Fwd) (Fwd) Virus Alert !!

Message-ID: <Pine.SUN.3.91.960126090810.29470C-100000@crl7.crl.com>

Arther Dent is a character in "The Hitch Hikers Guide to the Galaxy"

Sounds like BS.

pete

pgerba@crl.com